Model EIP308
8-Port 10/100 Ethernet Switch

Description

Model **EIP308** is an 8-port 10/100 switch designed for the not-so-friendly industrial environment. The unit is housed in a rugged metal enclosure ready to be mounted on a DIN rail or panel. The switch is an unmanaged Layer 2 switch that provides auto MDI/MDIX crossover for easy plug-and-play applications.

LEDs indicate power, speed and link/activity for easy visual diagnostics. External power supply is connected to three 2-position pluggable terminal blocks. A 9-30 VDC is the main power supply input. It also has a redundant 9-30 VDC for secondary DC source. If that is not enough, 24 VAC yields the third option for power supply. B&B Electronics' power supply model 12DC1AST (9-30 VDC @ 1000mA) is required, not included.

Features

- Fully IEEE 802.3 and 802.3u compliant
- 8-port unmanaged Layer 2 switch
- Auto detecting 10BaseT/100BaseTX
- Auto MDI/MDIX crossover for plug and play
- Ruggedized metallic enclosure
- DIN rail mount with #DRAD35 adapters

- Vertical or flat panel mountable
- Wide power input 9-30 VDC
- Redundant wide power input 9-30 VDC
- 24 VAC power input
- Speed and link/activity diagnostic LEDs
- Unique load LED's for quick network status

Applications

- Building automation
- Ethernet I/O
- Remote data acquisition
- Communications gateway
- PLC and operator interface

- Process control
- Motion control
- Environmental control
- Machine monitoring
- Factory floor Ethernet networks

Connections

Standard RJ45 female connectors are provided. Standard RJ45 plug cables are all that is necessary to connect your devices since the switch supports auto crossover. External power supply is connected using one of the three 2-position pluggable terminal blocks for convenience. Table 1 shows the RJ45 pinouts and Table 2 shows the LED indicators.

Table 1

Pin Number	Signal
1	TX+
2	TX-
3	RX+
4	not used
5	not used
6	RX-
7	not used
8	not used
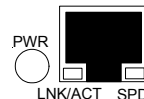
Table 2

LED	Color	On	Off	Blinking
SPD	yellow	100	10	reset/error
LNK	green	link	no link	data
PWR	red	power	no power	NA

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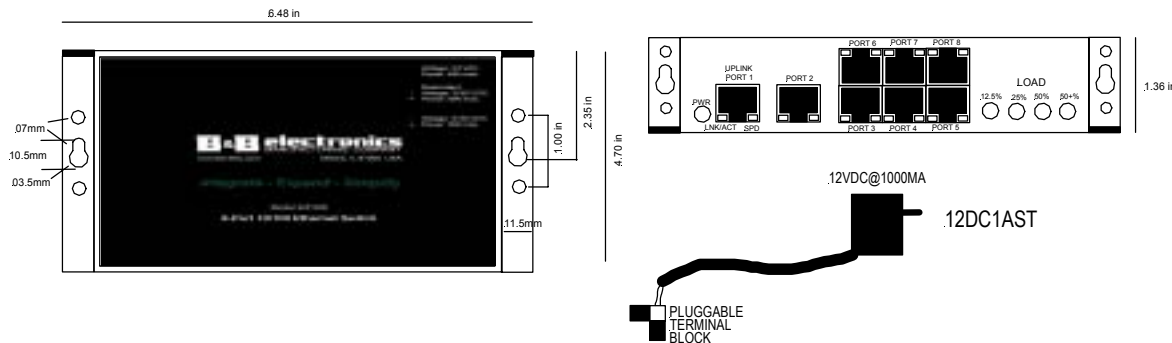
Specification Summary

Switch Type:	Full IEEE 802.3, 802.3u, & 802.3x compliant Unmanaged Layer 2
Main Features:	Store-and-forward scheme for packet transfer Automatic address learning, aging and migration Packet classification 802.1p QoS priority queues Port-based VLAN
Speed:	Autodetecting 10/100 Mbps
LED:	Per port speed indicator Per port activity indicator Per unit power indicator Network load indicator (12%, 25%, 50%, 50+%)
Frame Buffer:	256KB share by all ports
MAC Buffer:	2KB (automatic learning, aging and migration)
Isolation:	1500 VDC isolation magnetics
Bandwidth:	1.4 Gbps high performance memory bandwidth
Connections:	8 RJ45 female jacks (auto MDI/MDIX crossover) 2-position pluggable terminal block x 3
Power Required:	Main DC = 9 – 30 VDC @ 6 W maximum Redundant DC = 9 – 30 VDC @ 6 W maximum Auxiliary AC = 24 VAC @ 6 W maximum
Approval:	FCC Class A, CE, shock, free fall, vibration
Temperature:	0 to 70°C (32 to 158°F)
Dimensions:	16.5 x 11.9 x 3.5 cm (6.5 x 4.7 x 1.4 in)

DECLARATION OF CONFORMITY

Manufacturer's Name:	B&B Electronics Manufacturing Company
Manufacturer's Address:	P.O. Box 1040
	707 Dayton Road
	Ottawa, IL 61350 USA
Model Number:	EIP308
Description:	8 Port 10/100 Ethernet Switch
Type:	Light industrial ITE equipment
Application of Council Directive:	89/336/EEC
Standards:	EN 55022
	EN 61000-6-1
	EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)
	IEC60068-2-27
	IEC60068-2-32
	IEC60068-2-6

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CE